# SACC-E-M5FS-3CON-M5/0,5 - Device connector front mounting

1530605

https://www.phoenixcontact.com/us/products/1530605

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Device connector front mounting, 3-position, Socket, straight, M5, A-coding, on free cable end, Individual wires, cable length: 0.5 m, 0.14 mm$^2$, TPE litz wire

## Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness

## Commercial data

| | |
|---|---|
| Item number | 1530605 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB21 |
| Product key | ABQMBA |
| GTIN | 4046356024402 |
| Weight per piece (including packing) | 6.8 g |
| Weight per piece (excluding packing) | 6.8 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

## Technical data

### Mounting

| | |
|---|---|
| Mounting type | Front mounting (M5 x 0,5) |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Application | Signal |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |
| Thread type | M5 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | II |
| Degree of pollution | 3 |

### Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | HB |
| Seal material | Viton |
| Contact material | CuSn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |
| Material for screw connection | Brass, nickel-plated |

### Electrical properties

| | |
|---|---|
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 48 V AC |
| | 60 V DC |
| Nominal current $I_N$ | 1 A |
| Test voltage | 800 V |

### Connection data

Conductor connection

| | |
|---|---|
| Connection method | Individual wires |
| Contact connection type | Socket |
| Conductor cross-section | 0.14 mm² |

### Connector

Connection 1

| | |
|---|---|
| Head design | Socket |
| Head cable outlet | straight |
| Head thread type | M5 |
| Coding | A |

Connection 2

| | |
|---|---|
| Head design | free cable end |

## Cable/line

| | |
|---|---|
| Cable length | 0.5 m |
| Cable type | TPE litz wire |
| Single wire, color | brown, blue, black |
| Cable cross section | 0.14 mm² |
| Conductor structure signal line | 18x 0.10 mm |
| AWG signal line | 26 |
| Material wire insulation | TPE |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |

## Environmental and real-life conditions

Ambient conditions

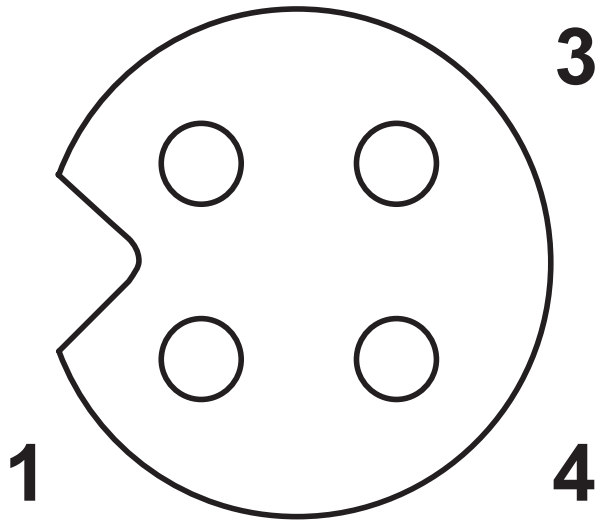
| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (Cable, fixed installation) | -25 °C ... 80 °C (cable, fixed installation) |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug) |

## Standards and regulations

| | |
|---|---|
| Standard designation | M5 connector |
| Standards/specifications | according to IEC 61076-2-105 |

## Drawings

Schematic diagram




Pin assignment M5 socket, 3-pos., D-coded, view female side

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440103 |
| ECLASS-15.0 | 27440103 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003570 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | d36c1cfc-e9e0-4983-9ece-5e6142d122fe |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 1.395 kg CO2e |


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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com